

Att'y Dkt. No.: US-162

U.S. App. No: 10/790,224

IN THE CLAIMS:

Kindly rewrite Claims 1-10 as follows, in accordance with 37 C.F.R. § 1.121:

1. (Currently amended) An isolated coryneform bacterium which has an L-arginine- or L-lysine-producing ability, and wherein said bacterium is modified so that glutamine synthetase activity is enhanced as compared to a wild-type coryneform bacterium, and wherein said bacterium is also modified so that an arginine repressor does not function normally, wherein said arginine repressor comprises a protein which is 90% or more homologous to the protein of SEQ ID NO: 16.
2. (Currently amended) The isolated coryneform bacterium of claim 1, which comprises a modification that results in adenylylation of glutamine synthetase being reduced or eliminated.
3. (Currently amended) The isolated coryneform bacterium of claim 2, wherein said modification is comprises selected from the group consisting of
 - a) mutating the adenylylation site of glutamine synthetase;
 - b) reducing the intracellular activity of glutamine synthetase adenylyltransferase;
 - c) reducing the intracellular activity of PH protein; and
 - d) increasing the intracellular activity of glutamine synthetase by modifying a nitrogen metabolism regulation protein, wherein said modification comprises replacement of tyrosine at position 405 with another amino acid in the protein of SEQ ID NO: 20, or in a protein which is 90% or more homologous to the protein of SEQ ID NO: 20.
4. (Canceled).
5. (Withdrawn) The coryneform bacterium of claim 3, wherein a gene encoding

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the glutamine synthetase adenylyltransferase on a chromosome of said bacterium is disrupted.

6. (Withdrawn, Currently Amended) The coryneform bacterium of claim 3, wherein the nitrogen metabolism regulation protein is an *amtR* gene product which does not function normally.

7. (Withdrawn) The coryneform bacterium of claim 6, wherein said *amtR* gene product on a chromosome of said bacterium is disrupted.

8. (Canceled).

9. (Currently amended) The isolated coryneform bacterium of claim 81, wherein ~~a-the~~ gene on a chromosome of said bacterium encoding the arginine repressor is disrupted.

10. (Withdrawn) A method for producing L-arginine or L-lysine, comprising the steps of

- a) culturing the coryneform bacterium according to claim 1 in a medium, and
- b) allowing accumulation of L-arginine or L-lysine in the medium, and
- c) collecting the L-arginine or L-lysine from the medium.